

**STATE FIRE MARSHAL
DRAFT OF PROPOSED CHANGES
TITLE 24, PART 2 CALIFORNIA BUILDING CODE
(Chapter 35 Standards)**

CHAPTER 3

12-3; 310.4.3

[For SFM] See Part 12, Chapter 12-3 for Releasing Systems for Security Bars in Dwellings. This standard includes provisions of the Underwriters Laboratories (UL), Subject 2326, Appendix B, dated December 17, 1999, and reprinted with their permission.

CHAPTER 9

9-1; 307.11.3, 321.1, 403.2, 404.3.1, 405.1.1, 804.1, 902, 904.1.2, 904.1.3, 904.2.6.3, 904.2.7, 904.3.2, 2603.7.1, 2603.8.1

Installation of Sprinkler Systems. Standard for the Installation of Sprinkler Systems, NFPA 13-1991 *[for SFM] NFPA 13-1996-1999*, National Fire Protection Association.

9-2; 902, 904.1.2, 904.5.1

Standpipe Systems. The Standard for Installation of Standpipe Systems and Hose Systems, NFPA 14-1993 *[for SFM] NFPA 14 -1996 2003*, National Fire Protection Association.

9-3; 804.1, 805, 902, 904.1.2, 904.1.3, 2603.7.1, 2603.8.1 Installation of Sprinkler Systems in Group R Occupancies Four Stories or Less. Standard for the Installation of Sprinkler Systems in Residential Occupancies up to Four Stories in Height, NFPA 13R-1989 *[for SFM] NFPA 13R -1996 2002*, National Fire Protection Association.

3504.1 [For SFM] California Building Code Standards.

3504.1.1 [For SFM] Whenever the UBC refers to:

UBC Standard it shall be construed to mean:

9-1 NFPA 13

9-2 NFPA 14

9-3 NFPA 13R

3504.1.2 [For SFM] California State Fire Marshal (SFM) Standards.

SFM 12-3, Releasing Systems for Security Bars in Dwellings

SFM 12-4.100, Smoke or Heat Ventilators.

SFM 12-7-1, Fire Tests of Building Construction and Materials

SFM 12-7-2, Fire Dampers

SFM 12-7-3, Fire-testing Furnaces
SFM 12-7A-1, Exterior Wall Siding and Sheathing, Direct Flame Exposure
SFM 12-7A-2, Exterior Window, Direct Flame Exposure
SFM 12-7A-3, Unloaded Deck, Direct Flame Exposure
SFM 12-7A-4, Unloaded Deck, Burning Brand Exposure
SFM 12-7-4, Fire Door Assembly Tests.
SFM 12-8-100, Room Fire Tests for Wall and Ceiling Materials.
SFM 12-8-1A, Calculation of the Total Rate of Heat and Carbon Monoxide or Carbon Dioxide Production
SFM 12-8-1B, Mounting Techniques for Wall and Ceiling Interior Finish Material
SFM 12-10-1, Power Operated Exit Doors
SFM 12-10-2, Single Point Latching or Locking Devices
SFM 12-10-3, Emergency Exit and Panic Hardware
SFM 12-72-1, Protective Signaling Systems
SFM 12-72-2, Single and Multiple Station Fire Alarm Devices
SFM 12-73-3, Smoke Detectors, Combustion Products Type

(The California State Fire Marshal standards referred to above are found in the California Code of Regulations, Title 24, Part 12.)

3504.1.3 [For SFM] National Standards.

1. NFPA 11, ~~1998~~ 2002 Edition, Low-, Medium-, and High- Expansion Foams.
2. NFPA 11A, 1999 Edition, Medium- and High-Expansion Foam Systems.
3. NFPA 12, ~~1998~~ 2000 Edition, Carbon Dioxide Extinguishing Systems.
4. NFPA 12A, 1997 Edition, Halon 1301 Fire Extinguishing Systems.
5. NFPA 13, 1999 Edition, The Installation of ~~Automatic~~ Sprinkler Systems, as amended.
6. NFPA 13D, ~~1999~~ 2002 Edition, Installation of Sprinkler Systems in One-and Two-Family Dwellings and Manufactured Homes.
7. NFPA 13R, ~~1999~~ 2002 Edition, Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height.
8. NFPA 14, ~~2000~~ 2003 Edition, Installation of Standpipe, ~~Private Hydrant~~ and Hose Systems.
9. NFPA 15, ~~1996~~ 2001 Edition, Water Spray Fixed Systems for Fire Protection.
10. NFPA 16, ~~1999~~ 2003 Edition, Installation of ~~Deluge~~, Foam-Water Sprinkler and Foam-Water Spray Systems.
11. NFPA 17, ~~1998~~ 2002 Edition, Dry Chemical Extinguishing Systems.
12. NFPA 17A, ~~1998~~ 2002 Edition, Wet Chemical Extinguishing Systems.
13. NFPA 20, 1999 Edition, Installation of Stationary Pumps for Fire Protection.
14. NFPA 22, ~~1998~~ 2003 Edition, Water Tanks for Private Fire Protection.
15. NFPA 24, ~~1995~~ 2002 Edition, Installation of Private Fire Service Mains and Their Appurtenances.
16. NFPA 37, ~~1998~~ 2002 Edition, Installation and Use of Stationary Combustion Engines and Gas Turbines.
17. NFPA 50, ~~1996~~ 2001 Edition, Bulk Oxygen Systems at Consumer Sites.

18. NFPA 54, ~~1996~~ 2002 Edition, National Fuel Gas Code.
19. NFPA 58, ~~1998~~ 2001 Edition, Standard for the Storage and Handling of Liquefied Petroleum Gases.
20. NFPA 72, 1999 Edition, National Fire Alarm Code, as amended. [The SFM does not adopt NFPA 72®, 1999 Edition, Chapter 8.]
- 20.1 NFPA 72®, ~~1999~~ 1996 Edition, National Fire Alarm, as amended, Chapter 8, Household Fire Warning Equipment.
21. NFPA 92 A, 2000 Edition, Recommended Practice for Smoke-Control Systems.
22. NFPA 99, ~~1999~~ 2002 Edition, Health Care Facilities, ~~Chapter 4, Gas and Vacuum Systems.~~
- ~~23. NFPA 99 C, 1999 Edition, Gas and Vacuum Systems.~~ 26. UL13, ~~Power-limited Circuit Cables, Second Edition, 1996.~~
243. NFPA 253, 2000 Edition, Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
254. NFPA 2001, 2000 Edition, Clean Agent Fire Extinguishing Systems.
265. UL13, Power-limited Circuit Cables, Second Edition, 1996.
276. UL 38, Manually Actuated Signaling Boxes, Seventh Edition, March 26, 1999, with revisions through April 28, 2000.
287. UL 193, Alarm Valves for Fire-Protection Service, Ninth Edition, March 24, 1993.
298. UL 217, Single- and Multiple-Station Smoke Alarm, as amended, Fifth Edition, 1997.
- ~~3029.~~ UL 228, Door Closers/Holders, with or without Integral Smoke Alarms, Fourth Edition, April 29, 1997, with revisions through January 21, 1999.
340. UL 260, Dry Pipe and Deluge Valves for Fire Protection Service, Sixth Edition, May 27, 1994, with revisions through February 15, 1999.
321. UL 262, Gate Valves for Fire Protection Service, Seventh Edition, May 27, 1994, with revisions through January 28, 1998.
332. UL 268, Smoke Detectors for Fire Protective Signaling Systems, as amended, Fourth Edition, December 30, 1996, with revisions through January 4, 1999.
343. UL 268A, Smoke Detectors for Duct Application, as amended, Third Edition, May 15, 1998.
354. UL 312, Check Valves for Fire-Protection Service, Eighth Edition, June 2, 1993, with revisions through February 17, 1994.
365. UL 346, Waterflow Indicators for Fire Protective Signaling Systems, Fourth Edition, 1994.
376. UL 464, Audible Signal Appliances, Seventh Edition, February 24, 1996, with revisions through May 11, 1999.
387. UL 497B, Protectors for Data Communication and Fire Alarm Circuits, Second Edition, December 28, 1993, with revisions through October 20, 1994.
398. UL 521, Heat Detectors for Fire Protective Signaling Systems, Seventh Edition, February 19, 1999.
409. UL 539, Single- and Multiple-Station Heat Detectors, Fourth Edition, 1995.
440. UL 632, Electrically Actuated Transmitters, Sixth Edition, 1994.

421. UL 753, *Alarm Accessories for Automatic Water Supply Valves for Fire Protection Service*, Sixth Edition, 1994.

432. UL 813, *Commercial Audio Equipment*, Seventh Edition December 13, 1996, with revisions through March 30, 1999.

443. UL 864, *Control Units for Fire Protective Signaling Systems*, as amended, Eighth Edition, November 27, 1996, with revisions through March 30, 1999.

454. UL 884, *Underfloor Electric Raceways and Fittings*, Eighth Edition, 1987, Tenth Edition, 1998.

465. UL 913, *Intrinsically Safe Apparatus for Use in Class I, II, and III, Division 1, Hazardous Locations*, Fifth Edition, February 21, 1997, with revisions dated February 24, 1997.

476. UL 924, *Emergency Lighting and Power Equipment*, Eighth Edition, ~~1999~~ March 29, 1995 with revisions through and including July 11, 2001.

487. UL 985, *Household Fire Warning System Units*, as amended, Fifth Edition, May 26, 2000.

498. UL 1091, *Butterfly Valves for Fire Protection Service*, Fifth Edition, 1994.

~~5049.~~ UL 1424, *Cables for Power-limited Fire Protective Signaling Circuits*, Second Edition, 1996.

540. UL 1480, *Speakers for Fire Protective Signaling Systems*, Fourth Edition, July 28, 1998.

521. UL 1481, *Power Supplies for Fire Protective Signaling Systems*, Fourth Edition, April 9, 1999.

532. UL 1711, *Amplifiers for Fire Protective Signaling Systems*, First Edition, January 5, 1987, with revisions through October 12, 1992.

543. UL 1730, *Smoke Detector Monitors and Accessories (annunciators) for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms*, Third Edition, September 18, 1998, with revisions through May 17, 1999.

54. UL 1971, *Signaling Devices for the Hearing Impaired*, Second Edition, October 17, 1995, with revisions through May 24, 2000.

565. UL 1484, *Residential Gas Detectors*, Third Edition, November 30, 1994, with revisions dated December 1, 1994.

576. UL 1994, *Low Level Path Marking and Lighting Systems*, Sixth Edition, 1994.

587. UL 2034, *Single and Multiple Station Carbon Monoxide Alarms*, Second Edition, October 29, 1996, with revisions through June 2, 1999...

598. UL 2079, *Tests for Fire Resistance of Building Joint Systems*, Third Edition, July 31, 1998.

609. FM Class No. 3260, *Flame Radiation Detectors for Automatic Fire Alarm Signaling*, February 1994 Edition.